	Pushing the Env	elope
	2007 Mathema	
Next Ge	neration Sunshine	State Standards
21.1		
State	Standards	
		Derive and apply formulas for areas of
FL	4	the area of a rectangle.
	Buching the Env	alana
Next Ge		
HEAT GE		
State	Standards	
- Class		Determine a missing dimension of a plane figure
		or prism, given its area or volume and some of
	MA 6 MA 6 G 4	the dimensions, or determine the area or volume
FI		given the dimensions.
		Connect ratio and rates to multiplication and
	MA.6.MA.6.A.2.	·
FL	1	division to solve ratio and rate problems.
	MA.6.MA.6.A.2.	Connect ratio and rates to multiplication and
FL	2	division: Interpret and compare ratios and rates.
		Write, interpret, and use mathematical
	MA.6.MA.6.A.3.	
FL	4	given a formula.
		Write, interpret, and use mathematical
	MA.6.MA.6.A.3.	expressions and equations: Solve problems
FL	4	given a formula.
Next Ge	neration Sunshine	State Standards
State	Standards	
Clate	Otanidalds	Justify and apply formulas for surface area and
	MA7MA7G2	volume of pyramids, prisms, cylinders, and
FI	1	cones.
L	<u> </u>	Justify and apply formulas for surface area and
	MA 7 MA 7 G 2	volume of pyramids, prisms, cylinders, and
FI	1	cones.
· -	•	Determine how changes in dimensions affect
		the perimeter, area, and volume of common
	MA.7.MA 7 G 4	
	1	to solve problems.
F		
FL	I	
FL	MA 7 MA 7 G 2	Justify and apply formulas for surface area and
FL FL	MA.7.MA.7.G.2.	
	State FL Next Ge State FL FL FL FL	State Standards

		Pushing the Enve	elope
		2007 Mathemat	ics
	Nex	t Generation Sunshine S	State Standards
Florida Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Physics and Math		MA.8.MA.8.A.1.	Translate among verbal, tabular, graphical and
(pgs. 43-63)	FL	5	algebraic representations of linear functions.
		Pushing the Enve	 elope
		2007 Mathemat	•
	Nex	t Generation Sunshine S	State Standards
Florida Mathematics			
Grades 9-12 (Algebra)		
Activity/Lesson	State	Standards	
			Write an equation of a line that models a data
			set and use the equation or the graph to make
		MA.9-	predictions. Describe the slope of the line in
Physics and Math		12.MA.912.A.3.1	terms of the data, recognizing that the slope is
(pgs. 43-63)	FL	1	the rate of change.
, ,		MA.9-	Simplify rational expressions and solve rational
Physics and Math		12.MA.912.A.5.	equations using what has been learned about
(pgs. 43-63)	FL	1	factoring polynomials: Simplify algebraic ratios.